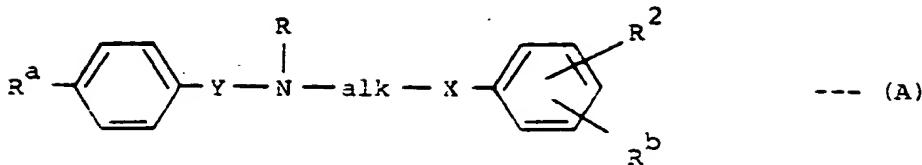


Claims

COA
T174X
PS
P113H14 1) A compound of the formula:



or a pharmaceutically acceptable salt thereof;

wherein, R^a is $-NO_2$, $-NH_2$ or $-NHSO_2R^1$ where R^1 is a C_1-C_4 alkyl group;

R^b is $-NO_2$, $-NH_2$ or R^3 where R^3 is $-NHSO_2(C_1-C_4$ alkyl) or $-CONR^4R^5$ where R^4 and R^5 are each independently H or C_1-C_4 alkyl or together with the nitrogen atom to which they are attached represent a 1-pyrrolidinyl,

piperidino, morpholino or N-methylpiperazin-1-yl group; with the proviso that when one of R^a and R^b is $-NO_2$, then the other is not $-NH_2$;

X is O, S or absent;

Y is an ethylene group optionally substituted by a methyl group;

"alk" is an ethylene, trimethylene or tetramethylene group, "alk" being optionally substituted by a methyl group;

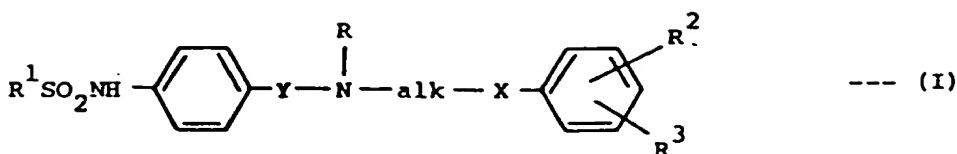
R is C_1-C_4 alkyl;

and R^2 is H, halo, CF_3 or C_1-C_4 alkyl.

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2. A compound of the formula:-



T1750X

PS
P1 H 14

or a pharmaceutically acceptable salt thereof;
 where R and R^1 are each independently $\text{C}_1\text{-C}_4$ alkyl;
 X is O or S or absent;
 Y is an ethylene group optionally substituted by a methyl group;
 "alk" is an ethylene, trimethylene and tetramethylene group, "alk" being optionally substituted by a methyl group;
 R^2 is H, halo, CF_3 or $\text{C}_1\text{-C}_4$ alkyl;
 R^3 is a group of the formula
 $-\text{NHSO}_2(\text{C}_1\text{-C}_4 \text{ alkyl})$ or $-\text{CONR}^4 \text{R}^5$ where R^4 and R^5 are each independently H or $\text{C}_1\text{-C}_4$ alkyl or together with the nitrogen atom to which they are attached represent a 1-pyrrolidinyl, piperidino, morpholino or N-methylpiperazin-1-yl group.

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3. A compound according to claim 2 wherein R¹ is methyl.
4. A compound according to claim 2 wherein R is methyl or ethyl.
5. A compound according to claim 3 wherein R is methyl or ethyl.
6. A compound according to claim 4 wherein R is methyl or ethyl.

7. A compound according to claim 5 wherein R is methyl.
8. A compound according to claim 2 wherein X is O.
9. A compound according to claim 3 wherein X is O.
10. A compound according to claim 4 wherein X is O.
11. A compound according to claim 5 wherein X is O.
12. A compound according to claim 5 wherein X is O.
13. A compound according to claim 7 wherein X is O.
14. A compound according to claim 2 wherein Y is -(CH₂)₂-.
15. A compound according to claim 3 wherein Y is -(CH₂)₂-.
16. A compound according to claim 4 wherein Y is -(CH₂)₂-.
17. A compound according to claim 5 wherein Y is -(CH₂)₂-.
18. A compound according to claim 6 wherein Y is -(CH₂)₂-.
19. A compound according to claim 7 wherein Y is -(CH₂)₂-.
20. A compound according to claim 8 wherein Y is -(CH₂)₂-.
21. A compound according to claim 9 wherein Y is -(CH₂)₂-.
22. A compound according to claim 10 wherein Y is -(CH₂)₂-.
23. A compound according to claim 11 wherein Y is -(CH₂)₂-.
24. A compound according to claim 12 wherein Y is -(CH₂)₂-.
25. A compound according to claim 13 wherein Y is -(CH₂)₂-.
26. A compound according to claim 2 wherein R² is H, Cl or CH₃.
27. A compound according to claim 3 wherein R² is H, Cl or CH₃.
28. A compound according to claim 4 wherein R² is H, Cl or CH₃.
29. A compound according to claim 5 wherein R² is H, Cl or CH₃.

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30. A compound according to claim 6 wherein R² is H, Cl or CH₃.

31. A compound according to claim 7 wherein R² is H, Cl or CH₃.

32. A compound according to claim 8 wherein R² is H, Cl or CH₃.

33. A compound according to claim 9 wherein R² is H, Cl or CH₃.

34. A compound according to claim 10 wherein R² is H, Cl or CH₃.

35. A compound according to claim 11 wherein R² is H, Cl or CH₃.

36. A compound according to claim 12 wherein R² is H, Cl or CH₃.

37. A compound according to claim 13 wherein R² is H, Cl or CH₃.

38. A compound according to claim 14 wherein R² is H, Cl or CH₃.

39. A compound according to claim 15 wherein R² is H, Cl or CH₃.

40. A compound according to claim 16 wherein R² is H, Cl or CH₃.

41. A compound according to claim 17 wherein R² is H, Cl or CH₃.

42. A compound according to claim 18 wherein R² is H, Cl or CH₃.

43. A compound according to claim 19 wherein R² is H, Cl or CH₃.

44. A compound according to claim 20 wherein R² is H, Cl or CH₃.

45. A compound according to claim 21 wherein R² is H, Cl or CH₃.

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47. A compound according to claim 22 wherein R² is H, Cl or CH₃.

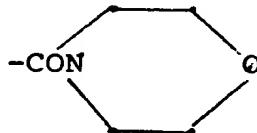
48. A compound according to claim 23 wherein R² is H, Cl or CH₃.

49. A compound according to claim 24 wherein R² is H, Cl or CH₃.

50. A compound according to claim 25 wherein R² is H, Cl or CH₃.

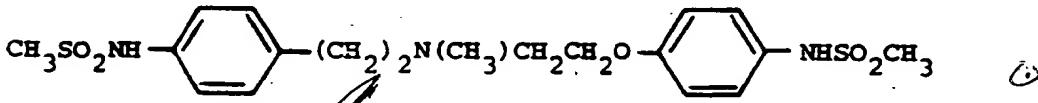
51. A compound according to claim 2 wherein R² is H.

52. A compound according to claim 2 wherein R³ is NHSO₂CH₃, -CONH₂, CONHCH₃, -CON(C₂H₅)₂ or

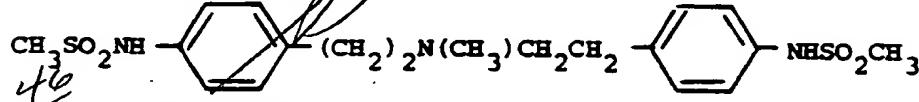


53. A compound according to claim 52 wherein R³ is -NHSO₂CH₃.

54. A compound of the formula:



55. A compound of the formula:



56. A compound according to claim 2 wherein Y is -(CH₂)₂- and X is O or S.

57. A compound according to claim 2 wherein Y is -(CH₂)₂- and X is absent.

58. A pharmaceutical composition comprising an anti-arrhythmic effective amount of a compound of claim 2 in combination with a pharmaceutically acceptable diluent or carrier.

59. A method of treating cardiac arrhythmia comprising administering to an arrhythmic host in need of such treatment an anti-arrhythmic effective dose of a compound of claim 2 in combination with a pharmaceutically acceptable diluent or carrier.

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